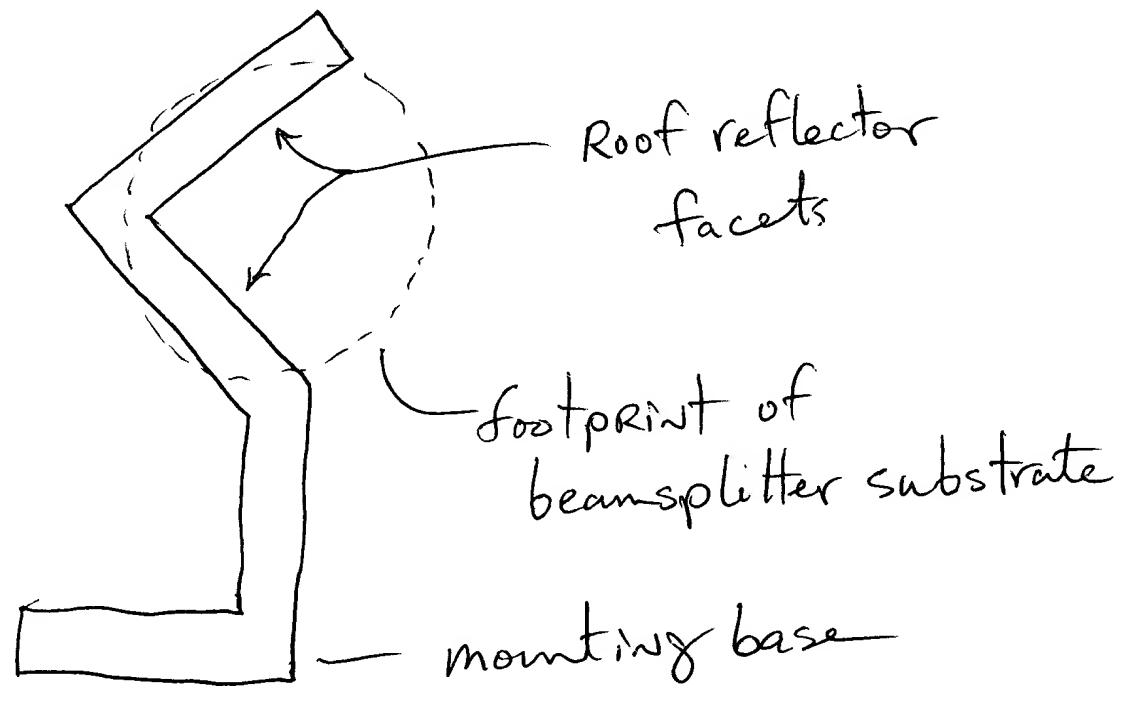


Figure 1



Side view

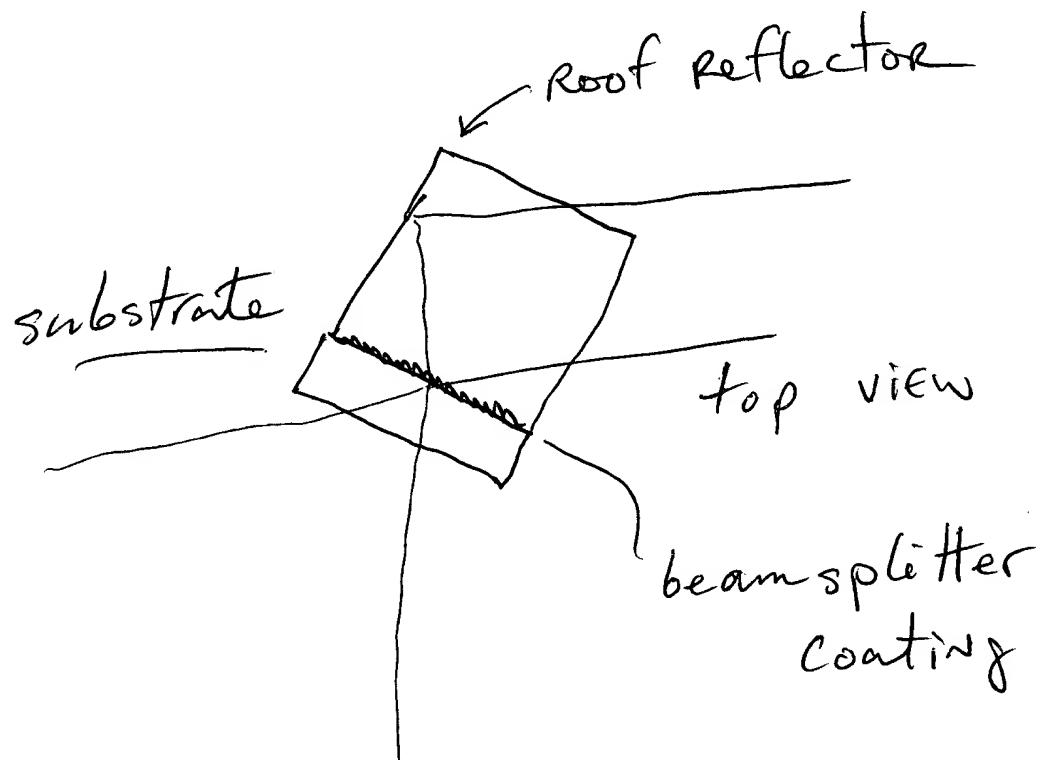
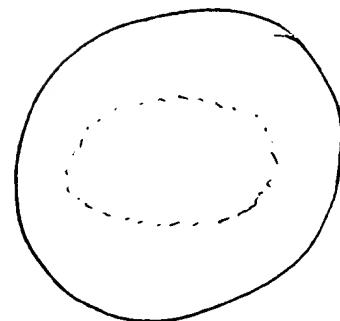
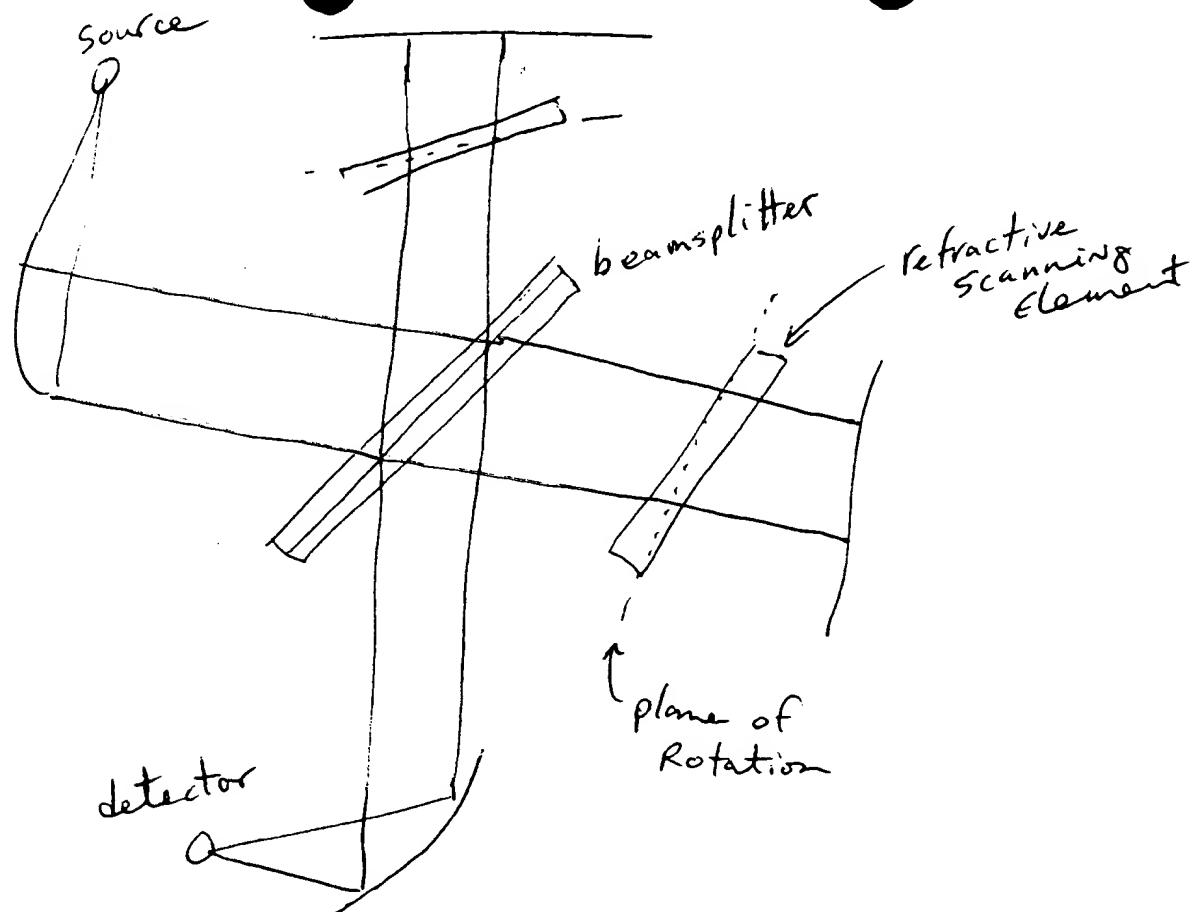


Figure 2



front view of
window
with foot print of beam

Figure 3

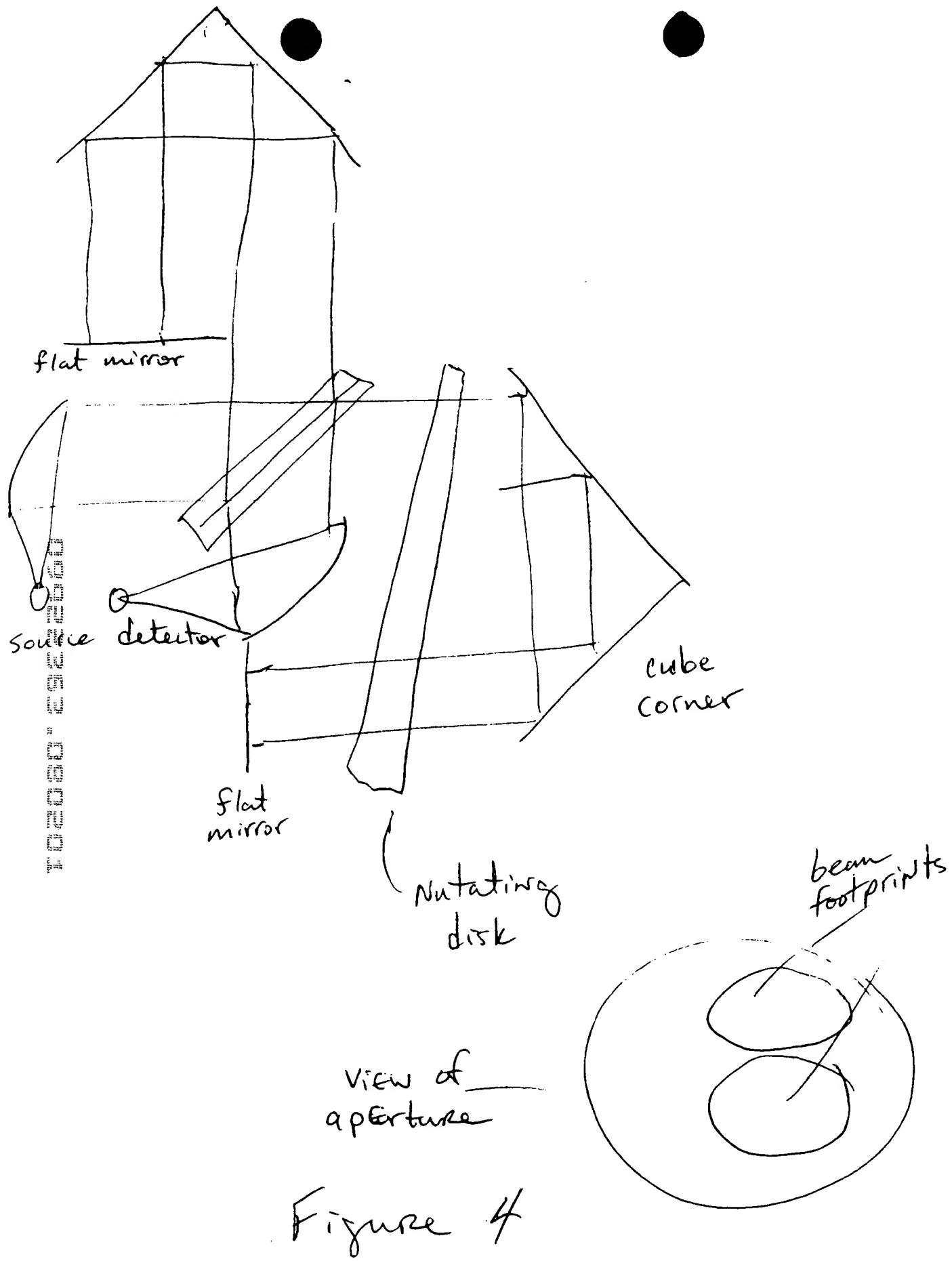
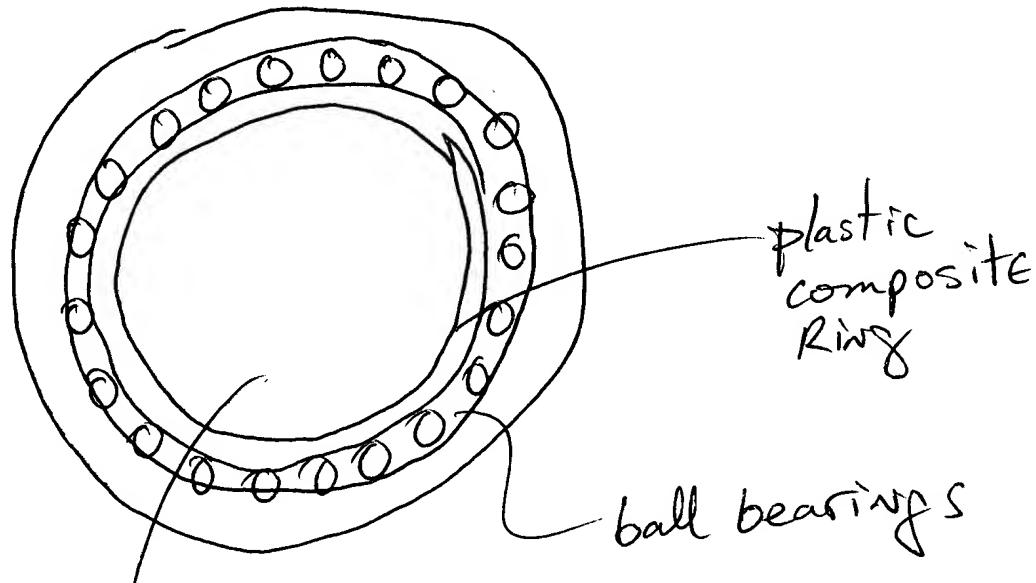


Figure 4



refractive crystal mounted at
Angle relative to
plastic ring and

bearing plane of
rotation

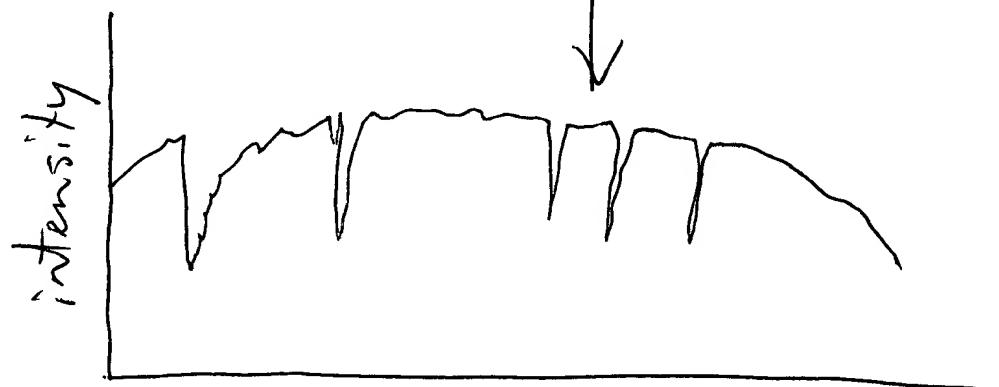
Figure 5



Apparent Wavenumber



REMAPPING FUNCTION

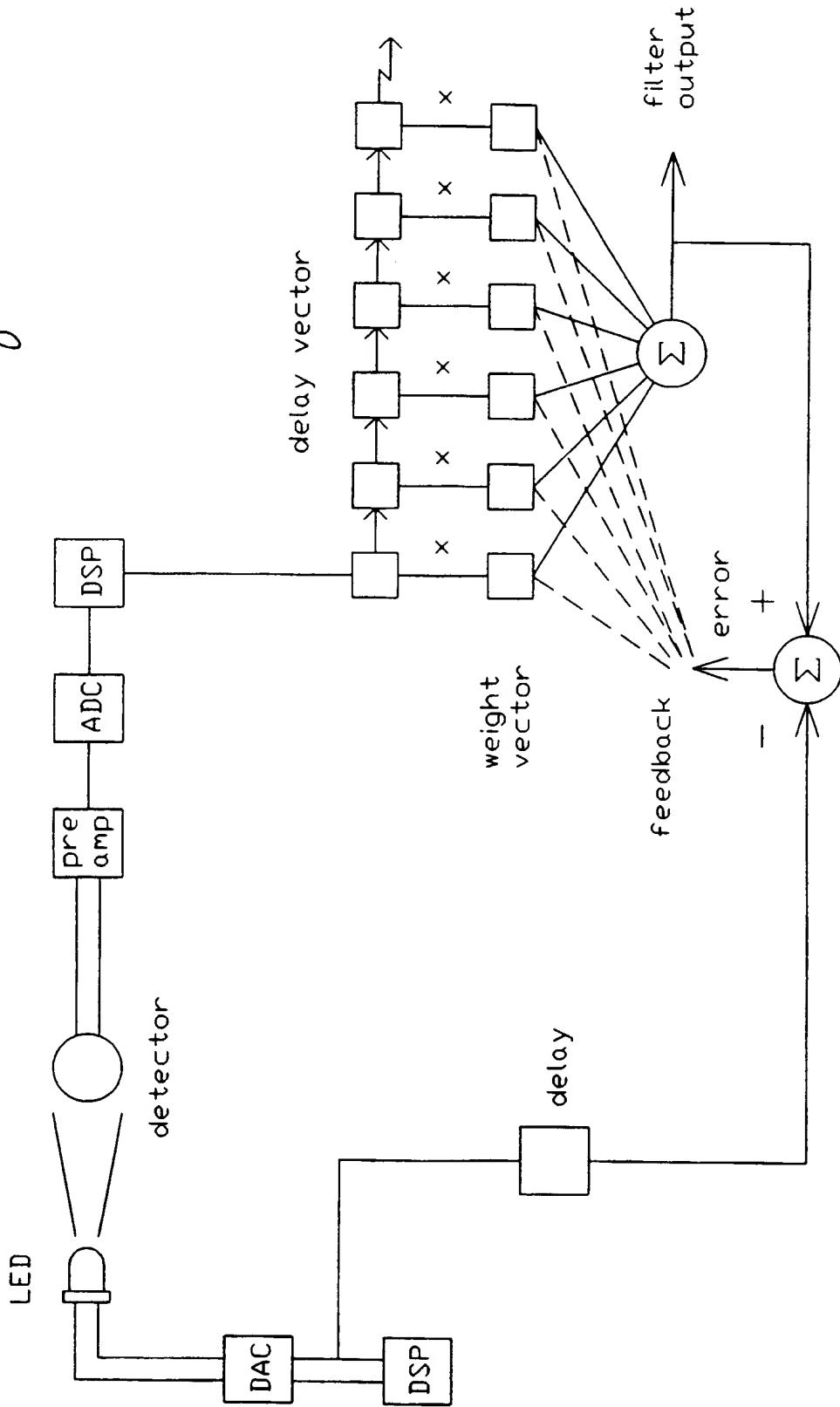


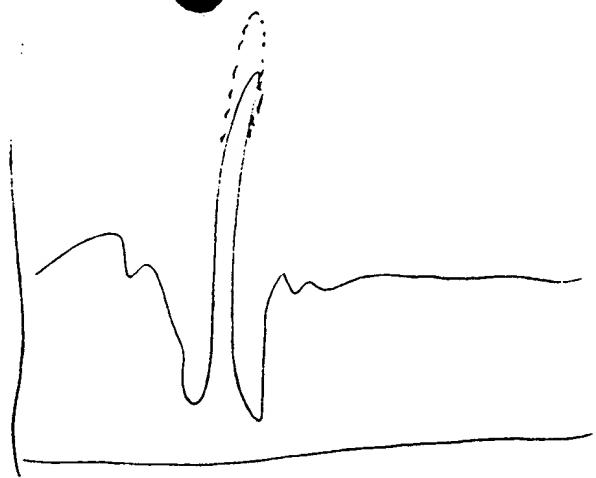
Actual Wavenumber

Figure 6

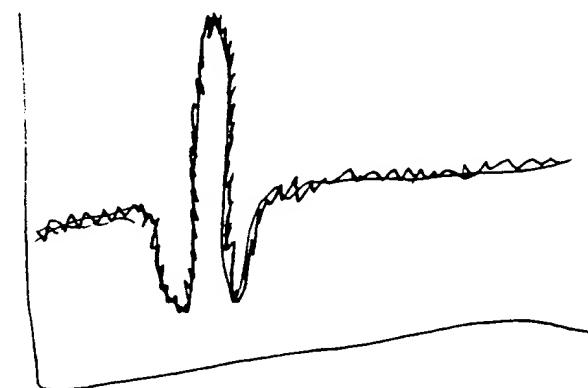
SCANNED, # 14

Figure 7

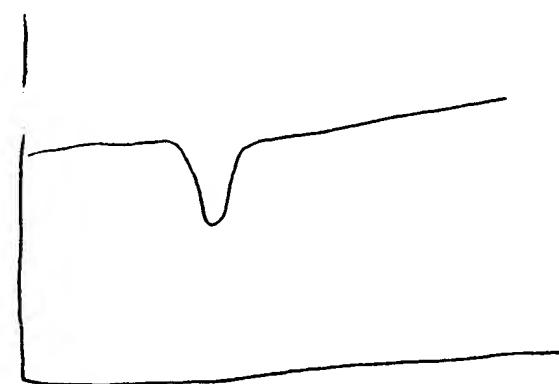




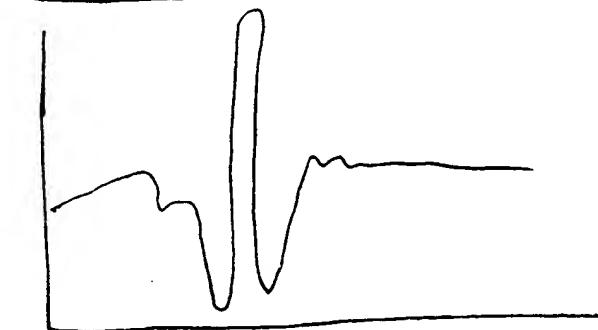
A



B



C



D

Figure 8

SCANNED, # 14

Figure 9

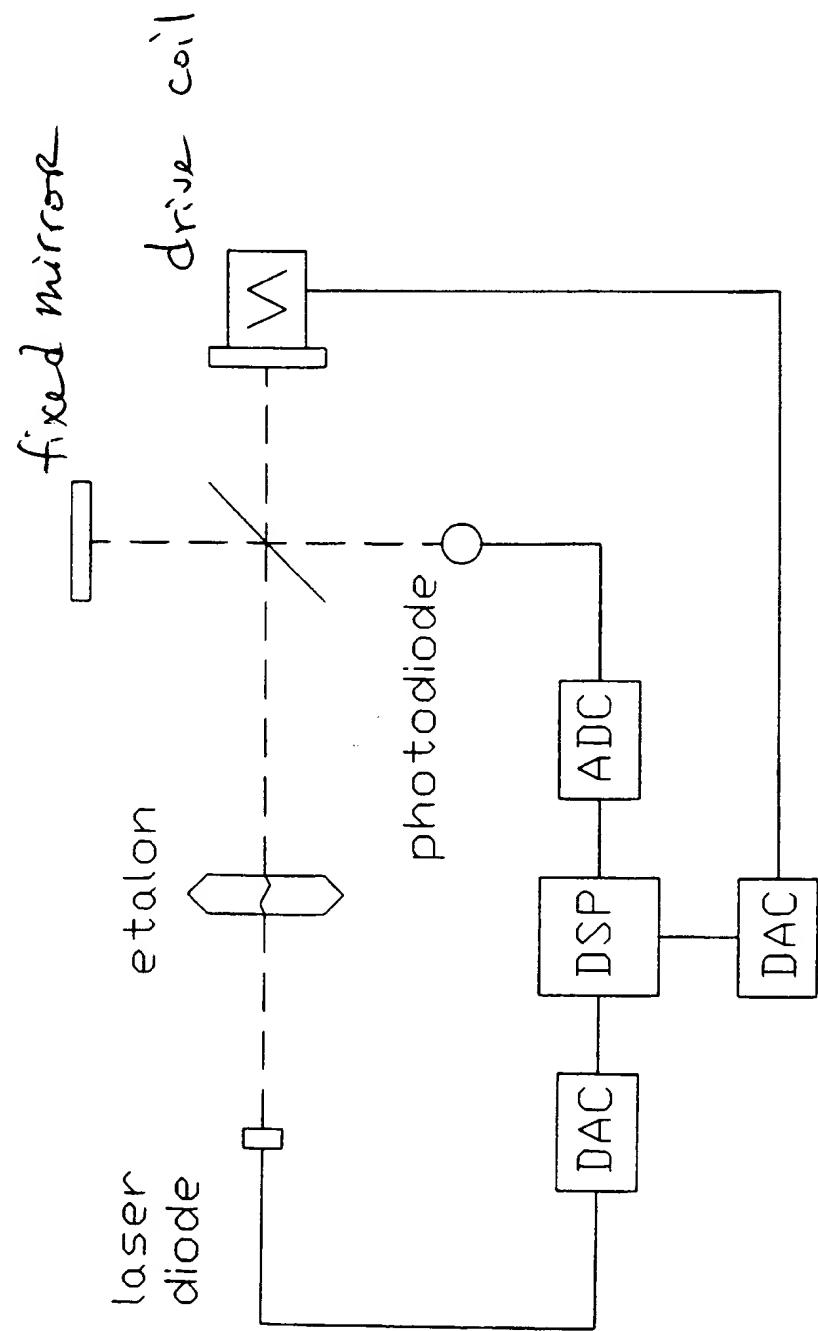


Figure 10

Laser Interference Signal

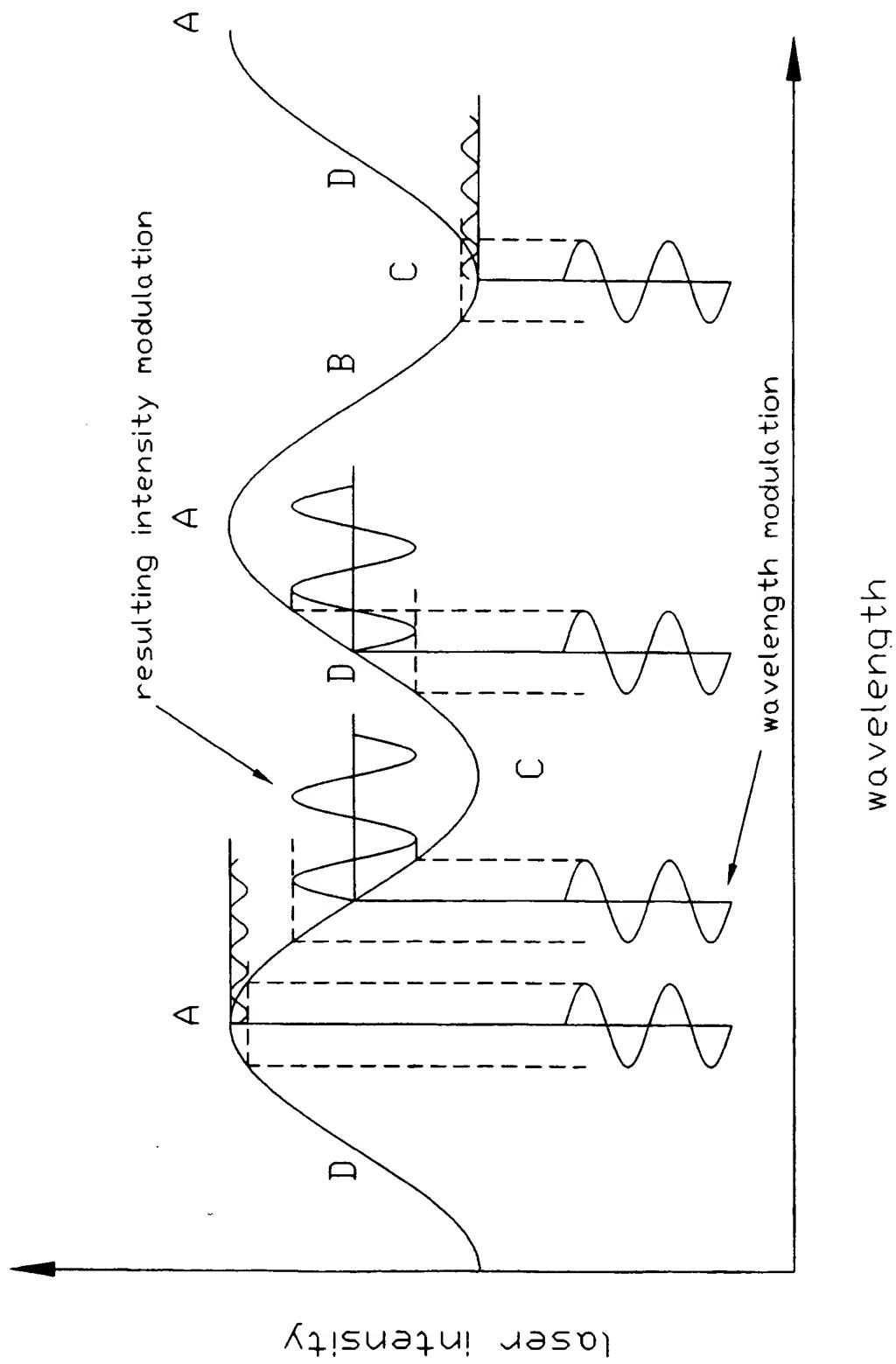
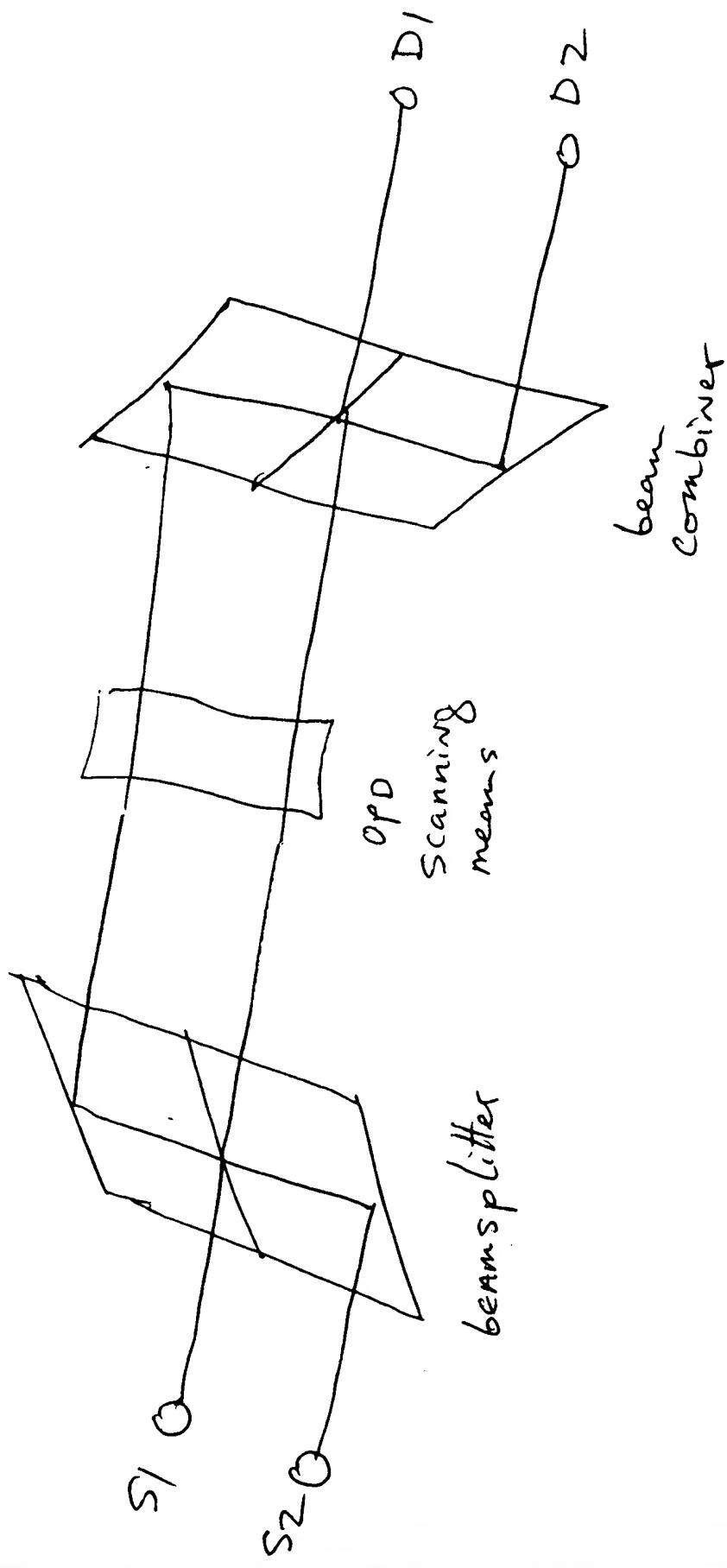


Figure 11



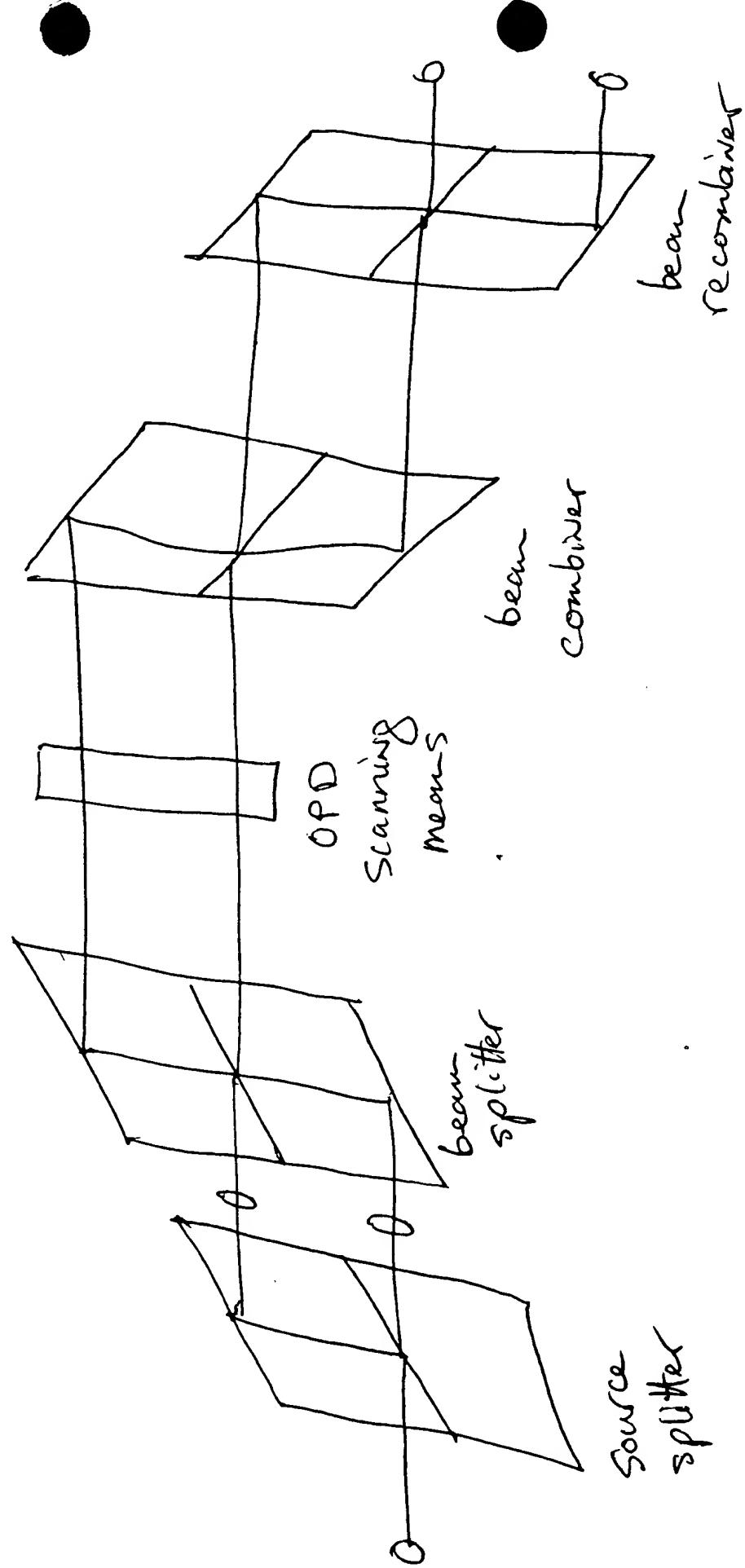


Figure 12

Progressive scanning

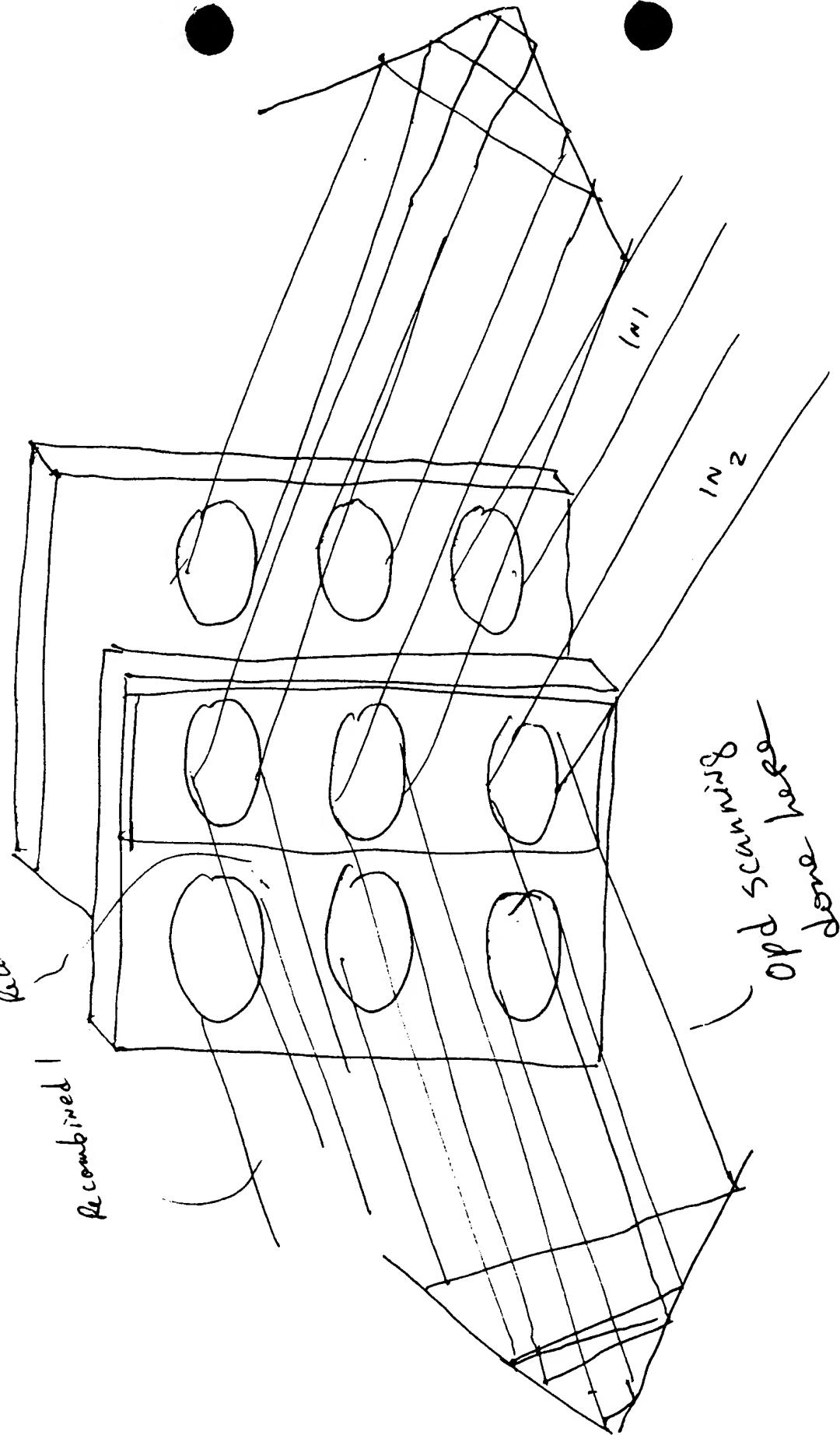


Figure 13

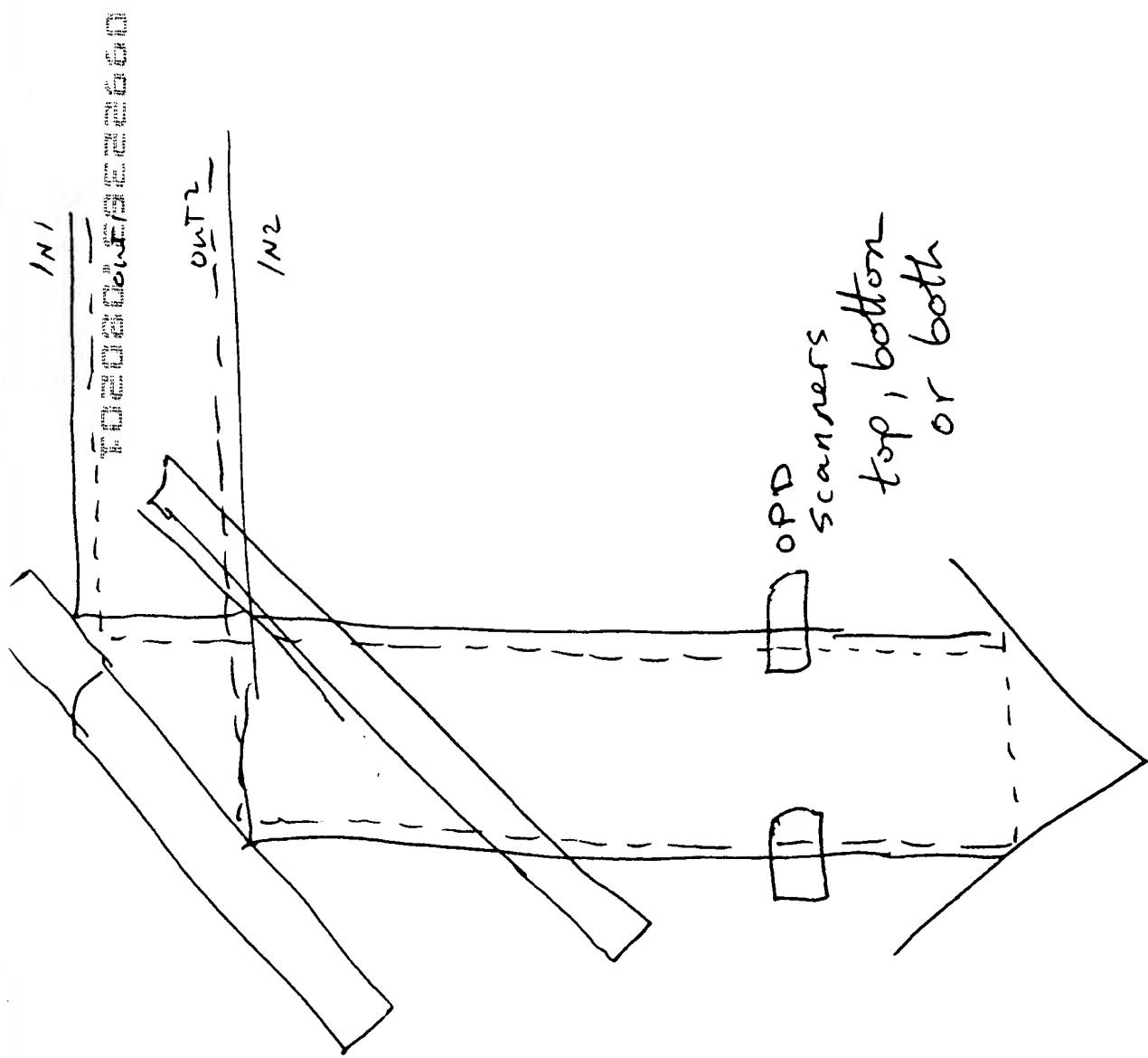


Figure 14

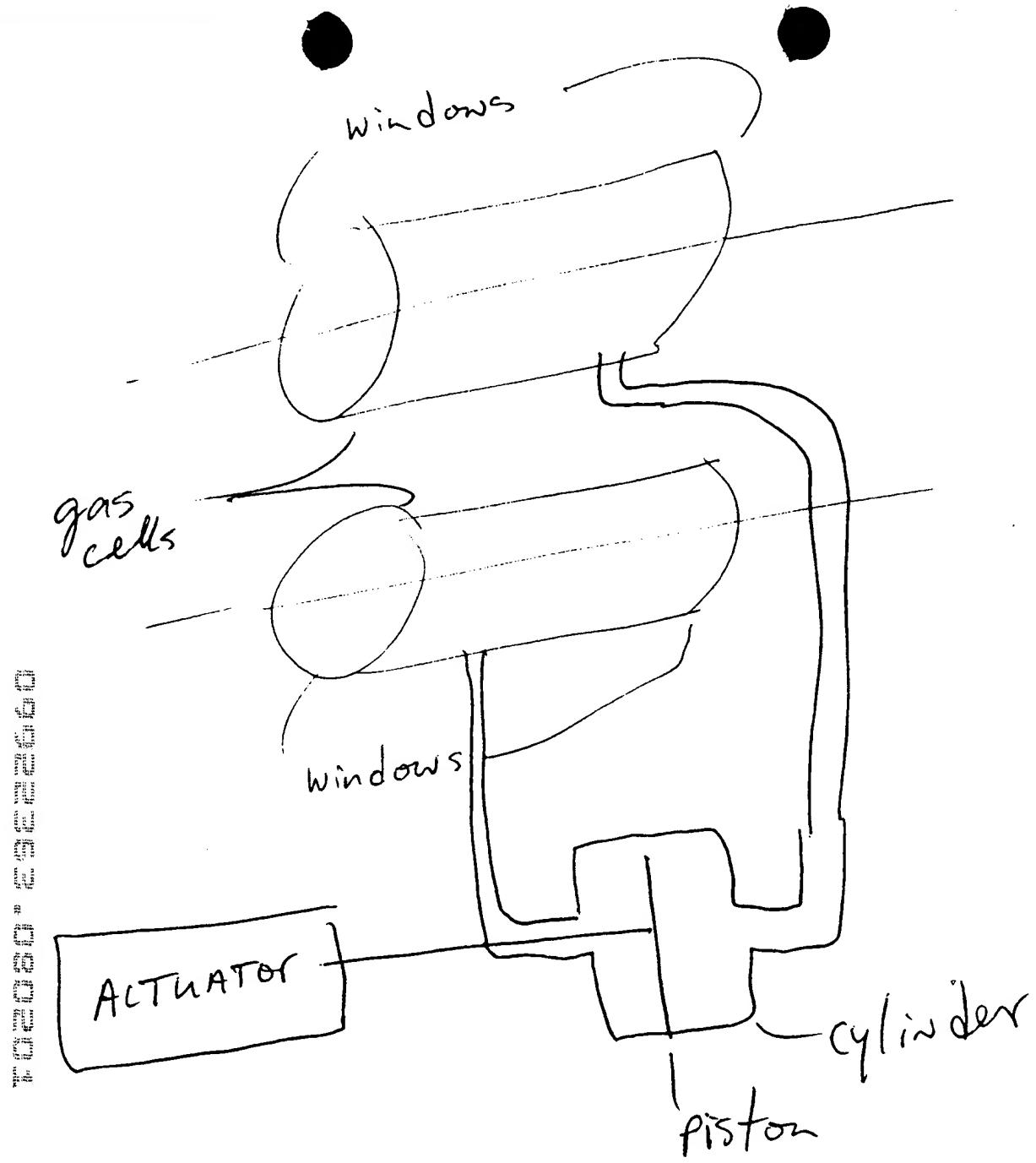


Figure 15

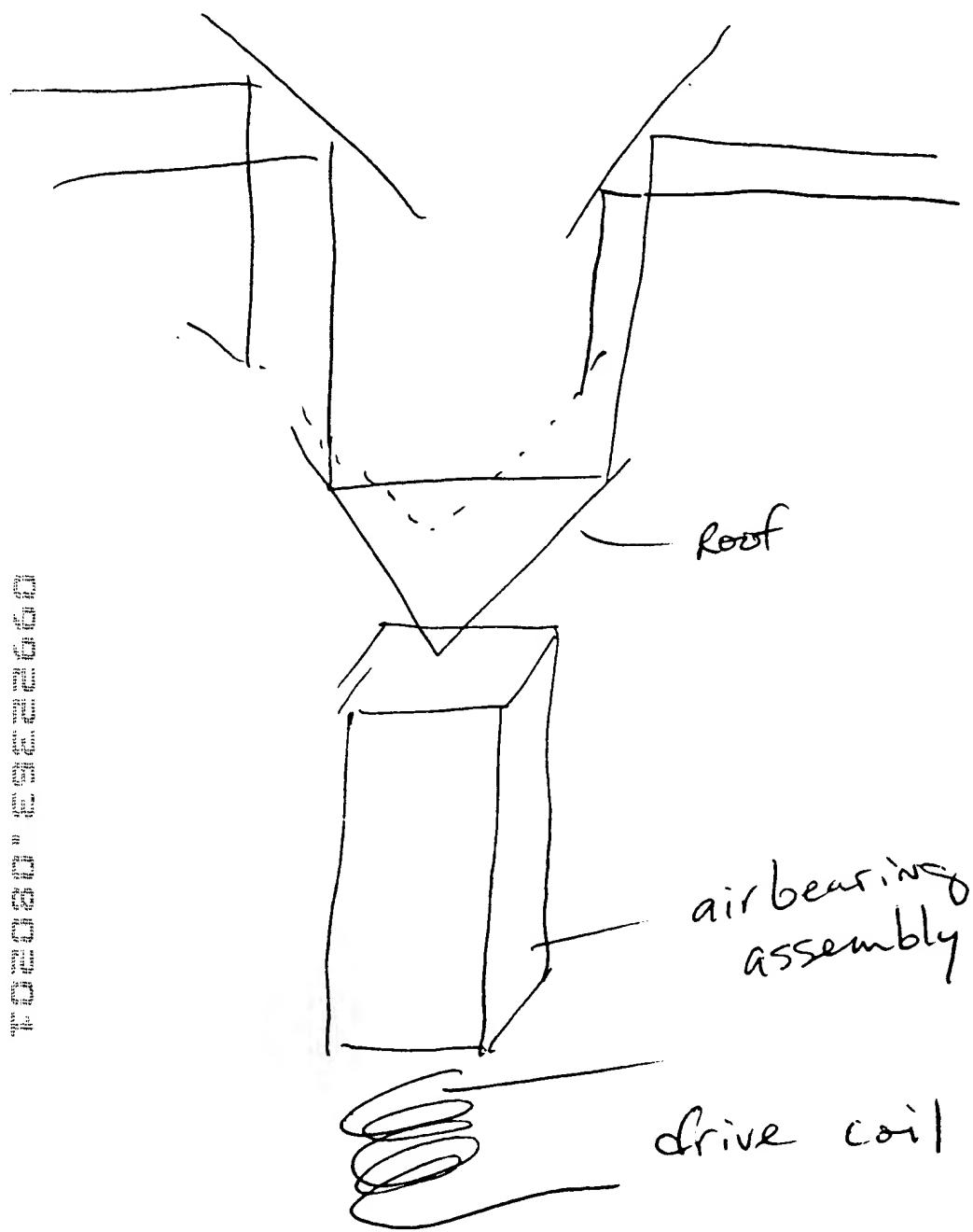


Figure 16